AcuGraph

Equine Edition

User Manual

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Revision A

www.AcuHorse.com
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The AcuGraph Digital Meridian Imaging System is protected by U.S. Patent No. 8,332,027.

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Credits:

AcuGraph Equine Edition represents the culmination of thousands of hours of research, design, development, programming, and testing work by a number of professionals. All of us at Miridia Technology Inc. offer our heartfelt thanks to the following individuals for their contributions:

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A Note About Meridian Nomenclature:

AcuGraph Equine Edition is programmed to comply with the **World Health Organization Standard Acupuncture Nomenclature,** Second Edition. Names and abbreviations are as follows:

Lung	LU
Large Intestine	LI
Stomach	ST
Spleen	SP
Heart	HT
Small Intestine	SI
Bladder	BL
Kidney	KI
Pericardium	PC
Triple Energizer	TE
Gallbladder	GB
Liver	LR
Governor Vessel	GV
Conception Vessel	CV

Because different texts and different instructors have utilized a variety of abbreviations and meridian names through the years, some of the names and abbreviations used herein may not be familiar to the user.

Table of Contents:

Contacting Technical Support 4
Chapter 1: Installing AcuGraph Equine Edition..... 5
Installation for Windows 7/8 8
Installation for Macintosh OS X 10
Setting Up AcuGraph..... 13

Chapter 2: Using AcuGraph Equine Edition..... 15
Precautions for Use 15
Starting AcuGraph 17
Patients 18
Records 22
Exam..... 23
Graphs..... 29
PDF Printing 42
Reference 49
Preferences 53

Chapter 3: Troubleshooting 63
Limited Warranty..... 64
Return Policy 68

Contacting Technical Support

If you need help installing or using AcuGraph Equine Edition, this manual likely contains the answers you need.

Please also check the following web resources:

For Support

www.AcuHorse.com/support

For Other Resources, Tutorials, etc.

www.AcuHorse.com/resources

We can also be reached by telephone at

208-846-8448

Chapter 1: Installing AcuGraph Equine Edition

Introduction to Installation

There are several important steps to properly installing your AcuGraph system. Please review the following outline to familiarize yourself with the simple steps you will be following. **IT IS VERY IMPORTANT TO FOLLOW THE INSTRUCTIONS EXACTLY.** This manual has been carefully written and tested to ensure a trouble-free installation experience for those who follow these directions.

Installation Outline

1. Review the system requirements to ensure your computer meets the minimum requirements to run AcuGraph.

2. (If you are updating a current AcuGraph Equine Edition installation) Back up your patient database.

3. Install the Software—according to the instructions specific to your computer's operating system.

4. Install the Hardware—but not until AFTER the software is installed. Please follow the instructions specific to your computer's operating system.

Parts of the System

Your AcuGraph system consists of the following parts:

1. The Software (provided on CD, Flash Drive or Download).

2. The Probe Controller (This is the black box with “AcuGraph” printed on the front.)
3. The Probe and cables
4. The Ground Pad (This is the round pad and sponge)
5. The USB cable

Please locate and familiarize yourself with each of these items. Please DO NOT plug anything in until you are instructed to do so in the installation instructions, below.

1. Review the System Requirements:

For proper operation of your AcuGraph system, your computer should meet the following minimum specifications:

Windows® :

- Operating System: Windows 7 or Windows 8
- Internet access
- 1GB RAM (minimum)
- >500 MHz processor
- Available USB port
- 1 GB free hard drive space
- 1024x768 Minimum screen resolution

Macintosh® :

- Operating System: OSX 10.7 or newer
- Internet access
- 512 MB RAM (minimum)
- Intel Processor
- Available USB port
- 1 GB free hard drive space
- 1024x768 Minimum screen resolution

Printing:

AcuGraph supports most laser and ink-jet printers. The printer you wish to use must be accessible to your computer by direct connection to your computer or through a network. Best results are obtained when graphs are printed in color, and a color printer is therefore recommended.

Before you can print from AcuGraph, you must first install the driver software supplied with your printer. Please refer to your printer's documentation for installation and operation instructions.

Internet Features:

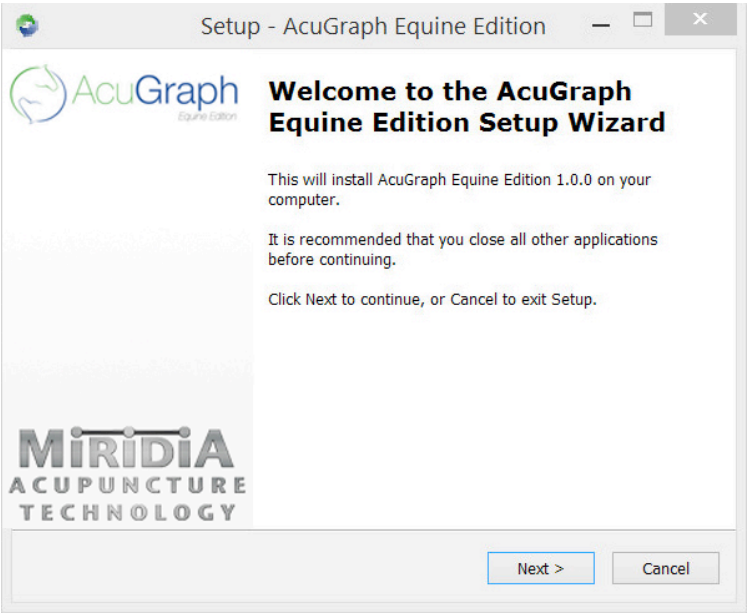
Certain features of AcuGraph require Internet access for operation. These features include Installation, Secure Backup, registration and emailing. If you do not have Internet access, these features will not work, though the remaining features of AcuGraph will function normally.

Installation for Windows 7/8®

INTERNET ACCESS: The installation process requires Internet access for registration and activation of your software.

We recommend that you close all applications prior to starting the installation of AcuGraph. If you already have a previous version of AcuGraph Equine Edition installed, MAKE A BACKUP OF YOUR CURRENT DATA! Then follow these steps to install AcuGraph in Windows®:

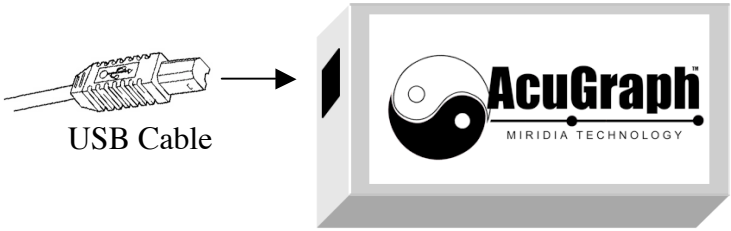
1. **Run Windows Update!** It is critical that Windows be fully updated prior to commencing the installation process. If you skip this step, AcuGraph may not operate properly.
2. **Remove or temporarily disable all antivirus software.** Such software tends to interfere with the installation process.
3. Insert the AcuGraph CD or flash drive. The AcuGraph installer should launch automatically. If the installer does not automatically launch, navigate to the installer and launch it manually. When you see the following screen, click "Next" to continue:


Setup - AcuGraph Equine Edition
AcuGraph
Welcome to the AcuGraph Equine Edition Setup Wizard
This will install AcuGraph Equine Edition 1.0.0 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
MIRIDIA
ACUPUNCTURE TECHNOLOGY
Next >
Cancel

4. Follow the installer instructions to complete the installation.

When program installation is complete, install your AcuGraph probe by doing the following:

1. Attach the black USB cable to the LEFT side of the case, as shown below:



2. The other end of the black USB cable plugs into the USB port on your computer:

Your USB port will be labeled with this symbol:

NOTE: The USB cable ends are indexed to only insert one way. Do not force the connection. If you are experiencing difficulty inserting the USB plug, please make sure it is in the proper orientation. Normally, the molded USB symbol is facing up.

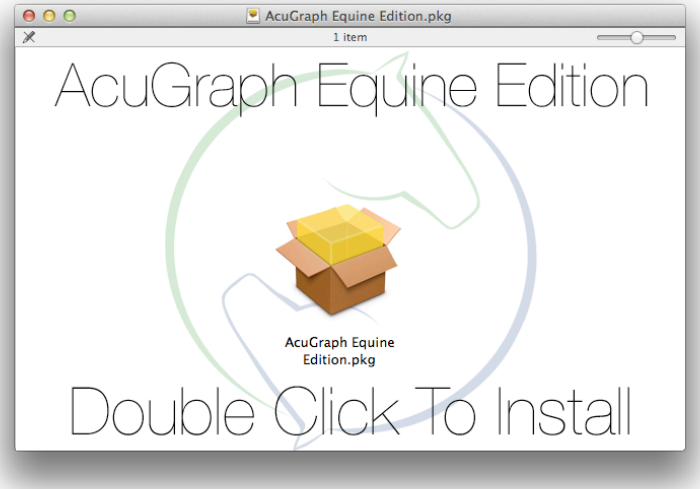
3. When you have plugged in your AcuGraph Probe Controller, a small window may appear informing you that the system has found new hardware and is installing drivers. When driver installation is complete, you are ready to use your AcuGraph.

Installation for Macintosh® OS X

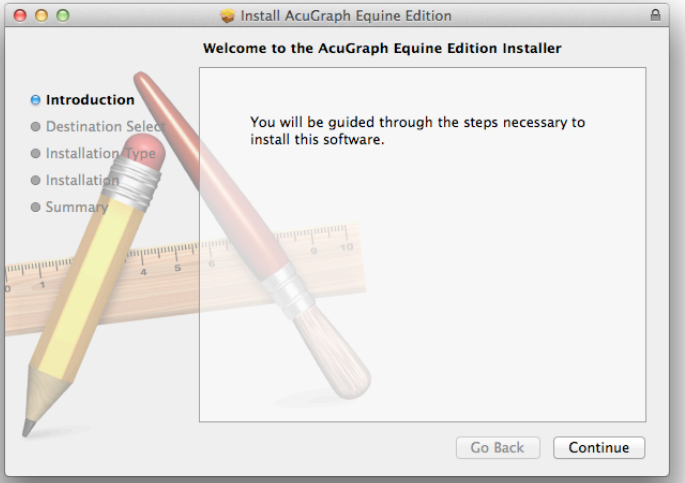
INTERNET ACCESS: The installation process requires Internet access for registration and activation of your software.

We recommend that you close all applications prior to starting the installation of AcuGraph. If you already have a previous version of AcuGraph Equine Edition installed, MAKE A BACKUP OF YOUR CURRENT DATA! Then follow these steps to install AcuGraph.

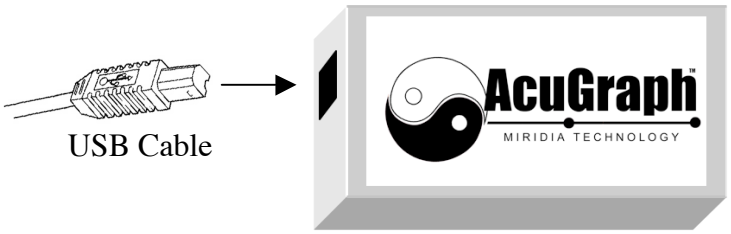
1. Insert the AcuGraph CD or flash drive and open it. You will see the following screen:



2. Double click the AcuGraph Equine Edition.pkg icon. You will see the welcome screen of the installer:



Click "Continue" and follow the instructions in the installer through the installation process. When the process is complete, attach the AcuGraph probe to your USB port as shown:



1. The other end of the black USB cable plugs into the USB port on your computer:

NOTE: The USB cable ends are indexed to only insert one way. Do not force the connection. If you are experiencing difficulty inserting the USB plug, please make sure it is in the proper orientation. Normally, the molded USB symbol is facing up.

Setting Up AcuGraph

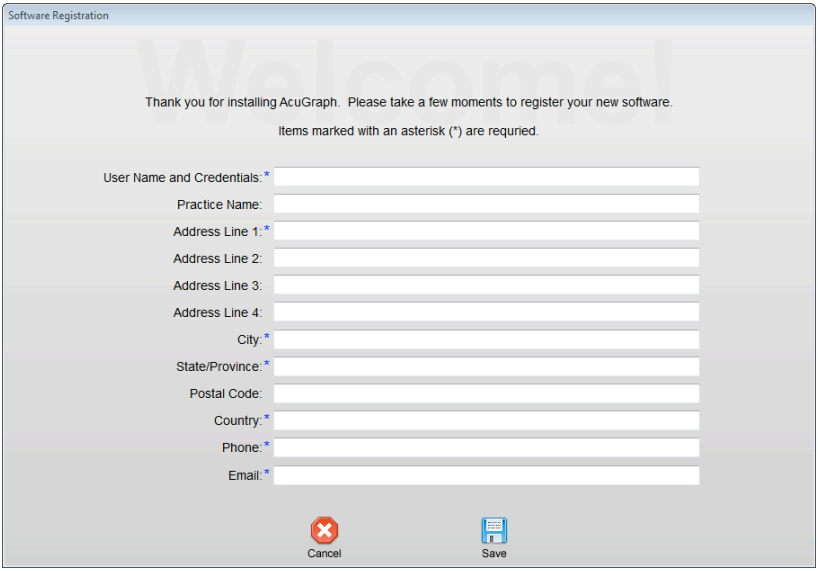
Now that you have installed AcuGraph, it is time to set up your new software. This set up operation only needs to be completed once. To set up your software and prepare it for use, please follow these steps:

1. Double-click on the AcuGraph 4 icon to start the application.

AcuGraph Equine Edition

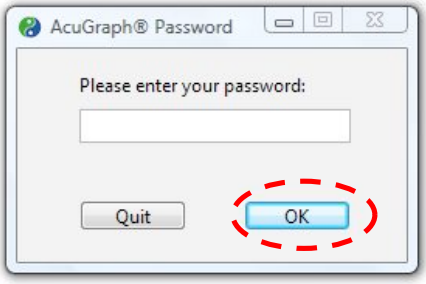
2. Read and accept the terms and conditions set forth in the license agreement.

3. **REGISTRATION INFORMATION:** A window will appear requesting registration information.



NOTE: You MUST enter the information requested in the boxes marked with stars. Please enter the information exactly as you want it to appear in your software registration. When you have completed the registration screen, please press **"Save."**

4. A window will appear asking for your **password**. The factory-set password is "**energy**" (all lower case, without quote marks.) The password can be changed in the "Preferences" Section of AcuGraph.



5. The first time you launch AcuGraph Equine Edition, you will be given a checklist of items to complete your AcuGraph setup. Follow the instructions to complete the checklist.

Congratulations!

Your AcuGraph system is ready for use!

Chapter 2: Using AcuGraph Equine Edition

Precautions for Use

Safety First!

THE ACUGRAPH EQUINE EDITION SYSTEM IS FOR USE BY QUALIFIED PROFESSIONALS ONLY! ALWAYS OBSERVE PROPER SAFETY TECHNIQUE WHEN WORKING AROUND EQUINES.

FAILURE TO OBSERVE PROPER SAFETY PROCEDURES MAY RESULT IN SERIOUS INJURY OR DEATH. IF YOU OR YOUR PATIENT IS UNCOMFORTABLE WITH THE ACUGRAPH PROCEDURE, DISCONTINUE USE AT ONCE.

MIRIDIA TECHNOLOGY INC. HEREBY DISCLAIMS ALL LIABILITY FOR YOUR USE OF THIS EQUIPMENT, INCLUDING CLAIMS FOR INJURY TO HUMANS OR ANIMALS, PROPERTY DAMAGE, LOSS, OR DEATH. IF YOU DO NOT AGREE TO BE BOUND BY THESE TERMS, PLEASE RETURN YOUR EQUIPMENT TO YOUR VENDOR. BY USING THIS EQUIPMENT, YOU CERTIFY THAT YOU ARE PROFESSIONALLY QUALIFIED TO WORK IN THE FIELD OF EQUINE ACUPUNCTURE AND THAT YOU AGREE TO OBSERVE PROPER SAFETY PROCEDURES AT ALL TIMES.

PROTECT YOURSELF, YOUR PATIENT, AND YOUR EQUIPMENT WITH CARE! PAY PARTICULAR ATTENTION TO PLACEMENT OF EQUIPMENT, ROUTING OF CABLES, AND THE DEMEANOR OF YOUR PATIENT AT ALL TIMES. DO NOT PLACE YOURSELF IN A DANGEROUS SITUATION.

Contraindications

Your AcuGraph system produces extremely low voltages and measurement currents, far below the threshold of physical sensation. Nevertheless, your AcuGraph probe should never be used in the mouth, eyes, or mucosa, on sensitive skin, or on rashes, lesions, or wounds.

Important Note

YOUR ACUGRAPH UNIT IS NOT A MEDICAL OR VETERINARY DEVICE. IT HAS NOT BEEN EVALUATED BY THE U.S. FOOD AND DRUG ADMINISTRATION, NOR HAS ANY STATEMENT IN THIS MANUAL BEEN EVALUATED BY THE U.S. FOOD AND DRUG ADMINISTRATION. THE ACUGRAPH HARDWARE AND SOFTWARE ARE NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE. THIS EQUIPMENT IS FOR EXPERIMENTAL USE ONLY, AND DOES NOT TAKE THE PLACE OF PROPER DIAGNOSIS AND TREATMENT BY A PROPERLY LICENSED HEALTHCARE PROFESSIONAL.

Equipment Care

Your AcuGraph probe controller unit contains sensitive electronic components. Moisture, static electricity, shocks, dropping the unit, excessive heat, and condensation may all have a damaging effect on your equipment. Please be careful to protect your AcuGraph unit for best results and a long service life.

The AcuGraph Equine Edition includes a heavy-duty carry case designed for use both for transporting your equipment, and also during the exam process. The case provides physical protection as well as protection from dirt, dust, liquids, etc.

YOUR WARRANTY DOES NOT COVER PHYSICAL DAMAGE TO YOUR EQUIPMENT FROM ABUSE, NEGLECT, ACCIDENTS OR PREVENTABLE CAUSES. DAMAGE CAUSED BY AN ANIMAL IS NOT COVERED BY YOUR WARRANTY. Please protect your equipment.

Starting AcuGraph

To start AcuGraph, double-click on the AcuGraph icon.

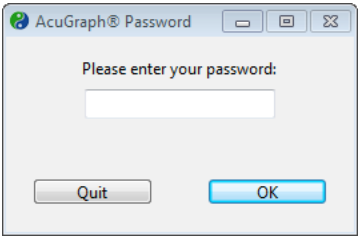
AcuGraph Equine Edition

When the program is started, it will automatically check your USB port to see if the probe controller is attached. If the probe controller is NOT attached, the program will function normally, but the Exam function will not be available.

If you have started AcuGraph without the probe controller attached and you need to perform an exam, you may attach the probe controller to the USB port and retry the desired function.

Password

The "AcuGraph Password" screen requires the entry of a password before any patient data will be displayed. This is to protect the confidentiality of your patient records.

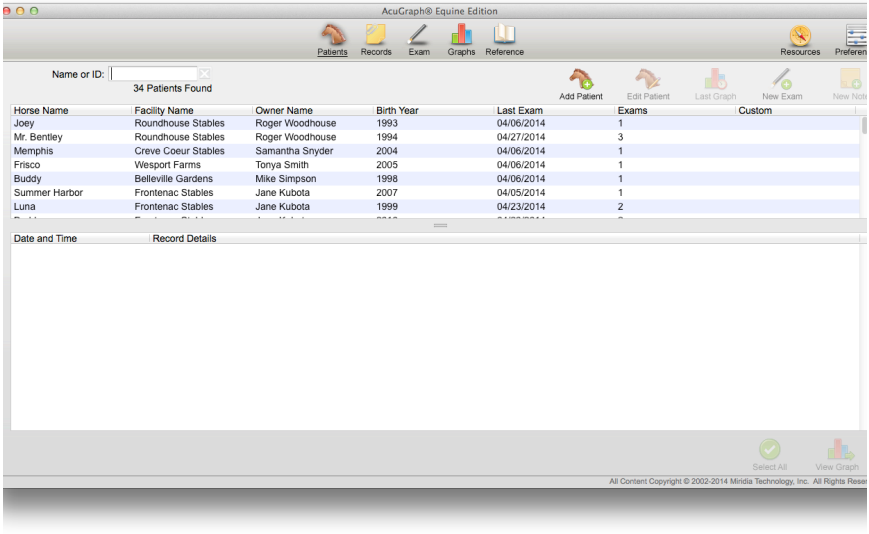


The default password from the factory is set as "**energy**" (all lower-case, and no quotes.) It is important that you change the password to one of your own choosing to prevent unauthorized access to protected patient data. The password can be changed in the "General" tab of the "Preferences" section of the software.

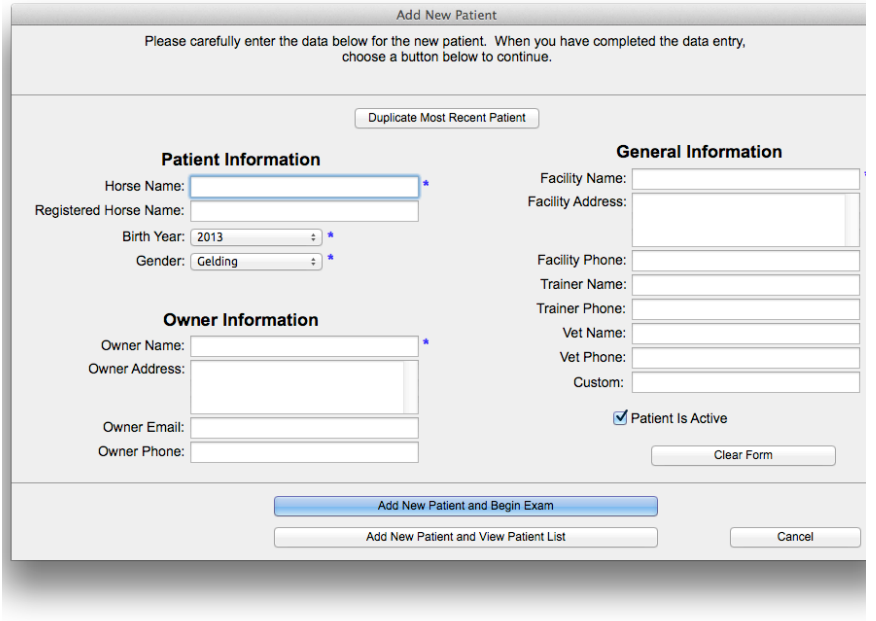
If you lose or forget your password, you will have to contact technical support to regain access to the software. For your protection, you will be required to verify valid ownership of AcuGraph Equine Edition to receive a new password.

Patients

The "Patients" icon provides access to records for all the patients you have entered in AcuGraph. The scrolling list at the top of the window lists all patients by column, and the search box allows searching by name. You may also sort patients by clicking on the header of each column to sort by the name or date in that column. For example, if you click on the "Facility Name" column, all patients will be sorted by facility name and facilities will be listed in alphabetical order.



The "Add Patient" icon opens the "Add New Patient" window, where you can enter information about a patient who has not yet been added to the database. The items with stars are required to add a new patient.



Edit Patient

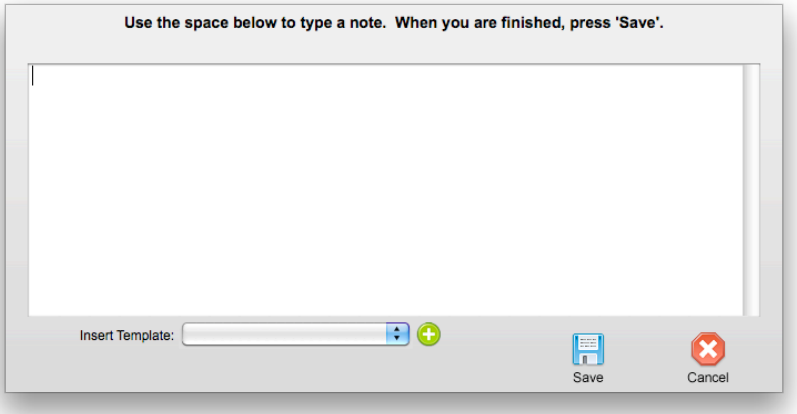
The "Edit Patient" icon opens the Edit Patient window, where you can change information about a patient who is already in the database. Patients, once entered, cannot be deleted.

Last Graph

The "Last Graph" icon is a convenient, one-click way to display the last exam for the selected patient without the need to select the exam from the list.

If you double click the selected patient or push the "Enter" key, a new exam for that patient will automatically open. You can also start a new exam by clicking the "New Exam" icon. You must have your AcuGraph probe connected to your computer to perform an exam.

The "New Note" icon opens a window where the user may record notes relevant to the patient's case. This is a useful place to record symptoms, progress, treatment method, etc. The first part of each note recorded will appear next to its associated graph in the records list. Notes may be recorded in any length and contain any text you choose. You may also paste text into the notes window from another application.



The "Insert Template" pull-down menu inserts a pre-formatted template in your note. This is useful if you have a typical notes template you usually use, such as the S. O. A. P. note format. You can add new custom templates to this menu in the "Notes" window of the "Preferences" section.

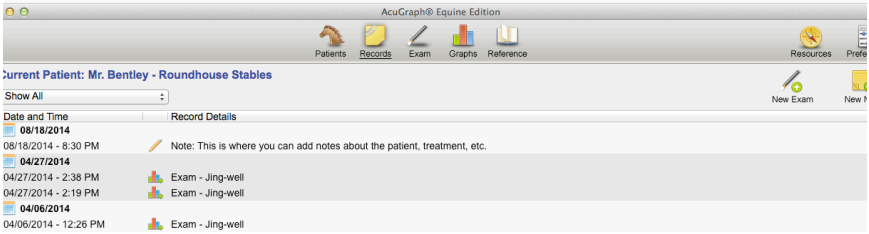
Once you have selected a patient, a list of that patient's exam records appears in the bottom half of the Patients screen. You may select one or more exams by clicking to highlight them in the list. If you select one exam, you may view it by clicking the "View Graph" icon.

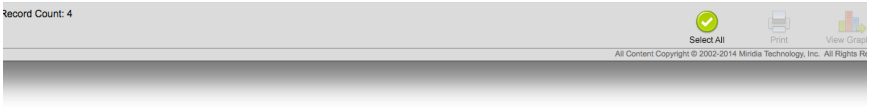
If you have selected more than one exam in the list, view them by clicking the "Compare" icon.

The "Select All" icon will select all the records for the selected patient.

Records

In the "Records" screen, you can view all the records available for the selected patient. Records are listed by date and type. Double clicking on any record will display it in full.





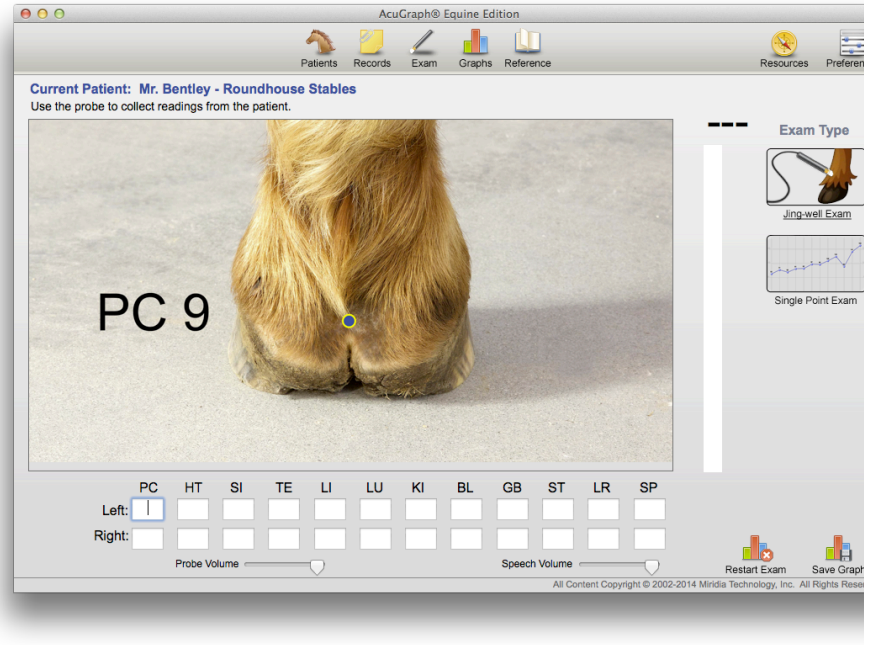
Double click any record to view it, or highlight the record and click on "View Graph."

You may view multiple exams at the same time by selecting the exam records and clicking "Compare."

The “Print” icon will print the selected record or records.

Exam

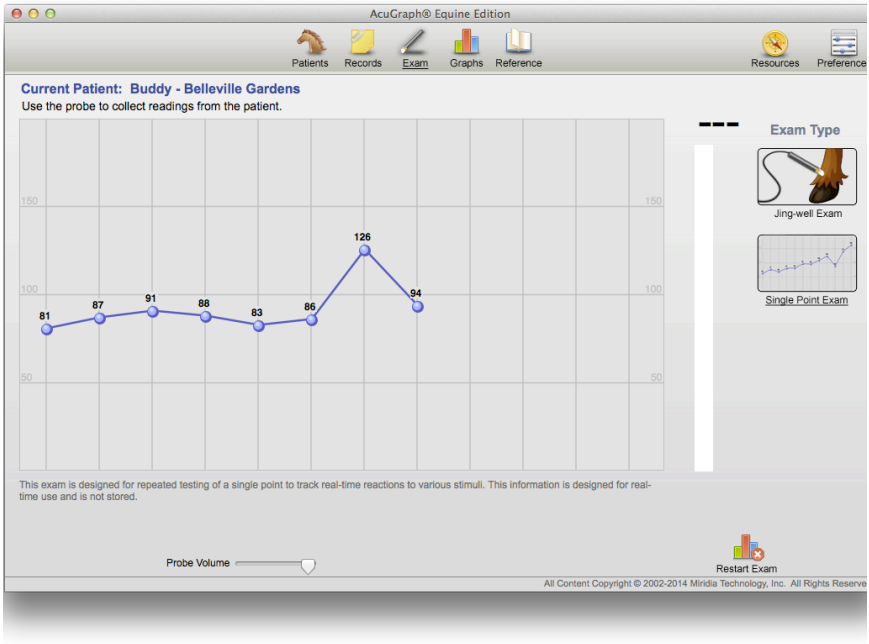
To perform an exam, begin by selecting which type of exam you wish to perform. The exam type will always default to the last exam type you selected.



Your exam type choices are Jing-well Points and Single Point. A description of each follows:

Jing-well points are the beginning and ending points of the 12 main meridians, and are the connection points between the main channels and the tendino-musculo branches. The Jing-well points are located just proximal to the coronary band above the hoof. Jing-well graphs measure the general energetic balance of the meridians.

Single Point Exam: This exam is designed for the repeated measurement of a single acupuncture point to assess skin resistance responses to various stimuli. At the completion of each measurement, a dot is placed on the graph with the measured value plotted. Subsequent measurements are then plotted and connected to show the relative change in the readings (see illustration, below.) This exam does not produce any record that is saved in the software.



Speaking Exam: The AcuGraph software provides audio direction during an exam so the user can focus on the patient without the need to continually look at the computer screen. The voice prompts during the exam speak the name of the point to be measured next. The volume level of the voice prompts and the probe tones can be set with the sliders on the exam screen.

Performing an exam is quite easy and straightforward. The following tips will help you perform exams quickly and accurately:

SAFETY FIRST: Always observe proper safety procedures when working with equines! Do not place yourself, other humans, your patient or your equipment in a potentially dangerous situation for any reason!

Probe Tip: Insert a cut cotton swab in the probe end so that the cotton of the swab makes good contact with the metal of the probe tip. Standard cotton swabs are generally readily available at drug stores and medical supply companies. We also offer pre-cut swab tips on our website at www.acugraph.com.

Moisture: Moisten the cotton generously with water or saline solution, and shake off any excess. An easy way to do this is to keep a small spray bottle near your AcuGraph unit to spray the probe tip during exams. Be careful to not get any other part of your AcuGraph unit wet, and do not wet the probe beyond the tip.

Do not use distilled water to wet the probe tip. Standard tap water, mineral water, or saline solution are all acceptable choices.

For best results you should re-wet the probe tip after completing 1-2 readings depending on the horse's skin and hair. In the case of excessive hair interfering with the exam, you may wish to shave the area above the hoofs.

Ground Pad: The ground pad must make good electrical contact with the skin to complete the electrical measurement circuit. For best results, wet the sponge and place the ground pad in a relatively hairless area, such as the lower abdomen or inside hind leg. Ensure that the pad is moist enough to make a good connection with the skin.

The included surcingle strap may be used to hold the ground pad in place during the exam, or you may have an assistant hold the pad in place.

Be sure to route the gray ground wire safely away from the horse's legs to avoid entangling the horse or tripping the operator.

Point Location: Be consistent in your point locations. Use the same point and same landmarks on the left side that you used on the right side. This may sound obvious, but careless point location is the number one cause of erroneous readings. A difference of just a few millimeters can change the reading significantly.

Technique: Angle the probe upward at the same angle as the hair grows downward, so the probe can separate the hair and reach the skin. Place the probe with a deliberate action and light to moderate pressure. Listen for the audio feedback. You may move the probe during measurement to find the highest reading, then hold it steady while the measurement completes.

Training Mode: If you are unsure of proper point location, or unable to duplicate consistent readings on the same patient, try using the Training Mode of measurement. This feature is activated in the "Measurement" window of the "Preferences" section.

When the Training Mode is active, each measurement consists of the following two steps:

1. **Locate the point precisely:** Contact the patient's skin with the probe in the vicinity of the acupoint to be measured. Slowly slide the probe across the skin until a sharp increase in the reading is noted. This sharp increase indicates you have located the point exactly; this is where to take the reading. If you move off the point, simply move back on until you have located the point of the highest reading. Now remove the probe from the skin.

2. **Measure the point:** Place the probe at exactly the point of highest reading you located in step one. The probe will read for two seconds to allow the reading to stabilize, then will capture the reading into the software. Now move on to the next point and repeat steps one and two.

Careful point location in this manner will produce very consistent and reliable graphs. Always take the reading at the point of highest conductance.

Once you have practiced enough to feel confident in your point locations, you may deactivate the Training Mode in the "Preferences" section.

Timing: To take accurate measurements, you should hold the probe on the acupoint until the readings stabilize, usually 1-3 seconds. The AcuGraph software automatically times the reading and gives a double beep when the reading has been captures. At this point you should remove the probe and measure the next point.

Technique: Measurements will be most accurate when the skin is contacted and released with a quick, intentional movement.

Correcting Errors: During the examination, if you take an erroneous reading or you wish to repeat a measurement for any reason, you may move

back to a specific point by holding the "Shift" key and pressing the "Tab" key. Each "Tab" will move backwards in the exam by one field. You may also simply click with the mouse in the field for the measurement you wish to take.

Manual Entry: You may also enter measurements manually by typing the values into the measurement fields and moving between fields with the "Tab" key. If you choose to manually enter values, the AcuGraph probe still must be attached to the computer to access the exam screen.

If you want to start the exam over, simply click the "Restart Exam" icon. Any values already entered will be erased and the exam will start over at the beginning.

When you take the last measurement with the probe, AcuGraph automatically saves the measurements and displays the patient's exam results.

A NOTE ABOUT READING CONSISTENCY: Some users attempt to determine the accuracy of the AcuGraph exam by performing back-to-back exams and comparing them. They are disappointed to note that readings are not always the same when a meridian is examined twice or more in a short period of time.

This occurs because the act of measuring an acupuncture point causes a certain amount of electric charge to course through the meridian being measured. Studies have shown that acupuncture meridians display "capacitance" or the ability to store electric charge. This means that the act of taking the first reading "charges up" the meridian, and subsequent readings for the next several hours may be affected by this artificial change in charge.

Therefore, it is most correct and reliable to use the results from the first exam obtained, rather than repeating an exam a few minutes after the previous exam. Similarly, it is not effective or accurate to perform an exam directly after treatment. **Best results are obtained by waiting at least 24 hours between exams.** Intentional, repeated measurements are a misuse of this equipment, and provide no clinically relevant or accurate information.

By following these guidelines, you'll find your readings to be consistent, accurate and reliable.

For additional training in reading technique and interpretation, view our training resources at www.AcuHorse.com.

Re-Measuring Splits: A "Split" is a situation in which the right and left side readings for a single meridian are significantly different from one another. Splits are displayed in purple on the graph.

Most split meridians are actually the result of inaccurate point location. Remember, the actual acupuncture point will return a higher reading than the surrounding skin. Therefore, if the probe is not on the point when the reading is taken, the reading will be artificially low.

For this reason, AcuGraph invites the user to re-measure any split meridians by re-testing the low side of the meridian only. If you select this option at completion of your exam, the software will prompt you which meridians on which sides need to be re-measured.

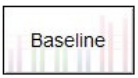
Re-measuring split meridians provides greater accuracy by eliminating measurement errors.

Graphs

In the "Graphs" window, you can view and print patient exam results. The interface looks like this:

This interface allows you to look at exam results in a variety of ways. There are 8 different graph displays, as well as an information section.

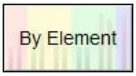
Each of the buttons at the right side of the window displays a different view of the exam results. For information about any of the graph displays, simply click on the "**?**" symbol in the upper right corner of the graph display.



The **Baseline** graph is the traditional, Ryodoraku-style graph used in meridian graphing. Meridians are displayed

with fore yin meridians first, followed by fore yang, then hind yin and hind yang.

The **Yin/Yang** graph displays all the yin meridians on the left half and the yang meridians on the right half. It also gives the average reading for yin and yang, allowing comparison of the patient's yin/yang balance.



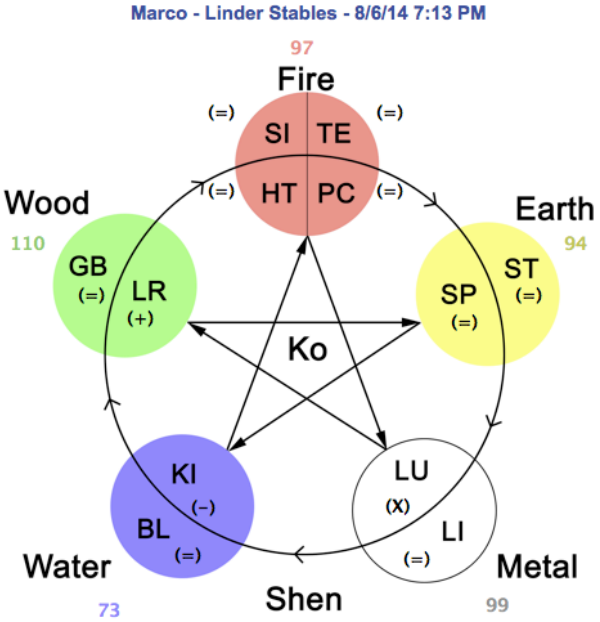
The **By Element** graph displays the exam results as coupled meridians within each element, and gives the average reading for each element. This graph promotes 5-elements analysis by showing the relative balance among the 5 elements. The shaded area behind the bars within each element illustrates the average for that element.

The **Energy Cycle** graph displays the meridians in their horary order, beginning with Lung. This graph style is useful for analyzing the patient's energetic balance throughout different periods of the day.

In each of the above graph types, there are **three horizontal lines superimposed** on the graph. The middle line is the **Mean**, or average, of that patient's readings. The upper and lower lines represent the normal **range** of readings for that patient. Meridians with at least one reading in this normal range are displayed as normal (except in the case of splits; see below.) Meridians with both readings above this range are displayed as excessive, and meridians with both readings below this range are displayed as deficient.

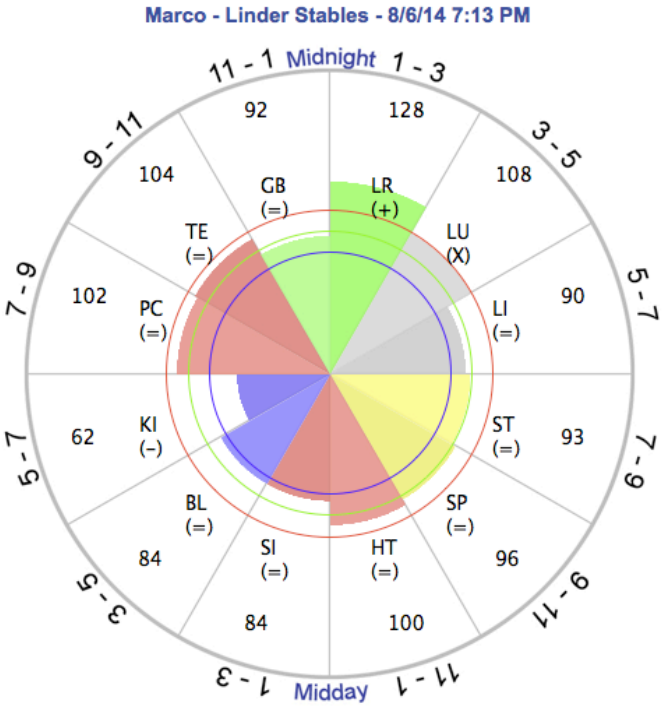
Split Meridians: When a statistically significant difference exists between the right and left readings on a given meridian, that meridian is considered "Split" and is given special treatment. If a meridian is split, it will not be displayed in any other way, even if it would otherwise be considered excessive, deficient, or normal. A split condition takes precedence over other considerations for any given meridian.

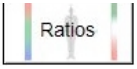
The **5 Elements** graphic displays the classic 5-elements chart with the relative excess (+), deficient (-), split (X), and normal (=) meridians noted. Element averages are also shown. This display is designed to facilitate understanding of 5-elements energy transfers for this patient.



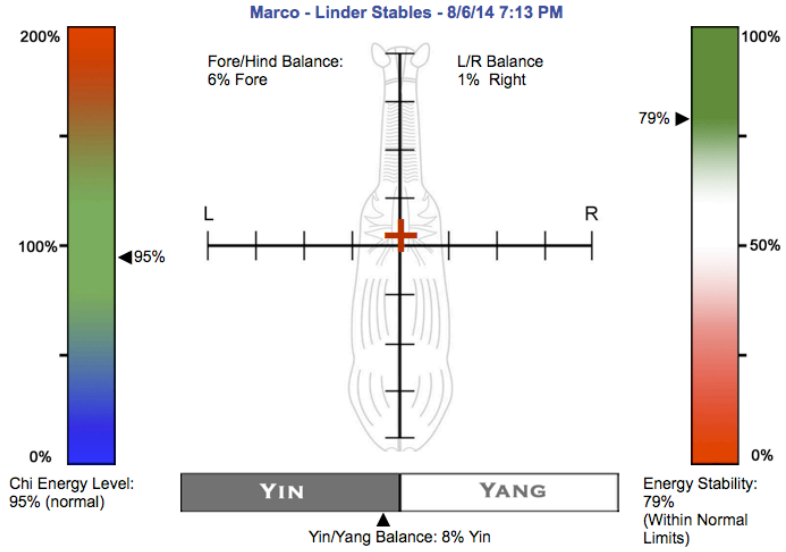
The **Horary** graphic displays the horary chart with superimposed shading to show the relative energy level of each meridian. More shading means a higher average reading for the channel. Ideally, the shading should reach the area between the inner and outer circles in the chart.

This graphic is useful for understanding the patient's energetic condition at various times of day.





The **Ratios** display gives information about the patient's relative energy balance.



This display shows several categories of energetic analysis. On the left is the **Chi Energy Level**. This is a representation of the patient's overall energetic level. Note that it is possible for the patient to be too low or too high in energy, and the ideal reading level is in the green area toward the center of the vertical display bar. Various breeds will tend to read higher or lower than other breeds. Therefore, this number has a broad "normal" range.

The bottom center shows the **Yin/Yang Balance** for the patient, with the yin/yang tendency noted.

The right side of the display shows the patient's **Chi Energy Stability**. This is determined by analyzing the highest and lowest readings in the exam, in relative comparison to the mean. Patients with a wider range of readings from high to low will have lower relative energy stability. The green area towards the top of the display represents the best balance.

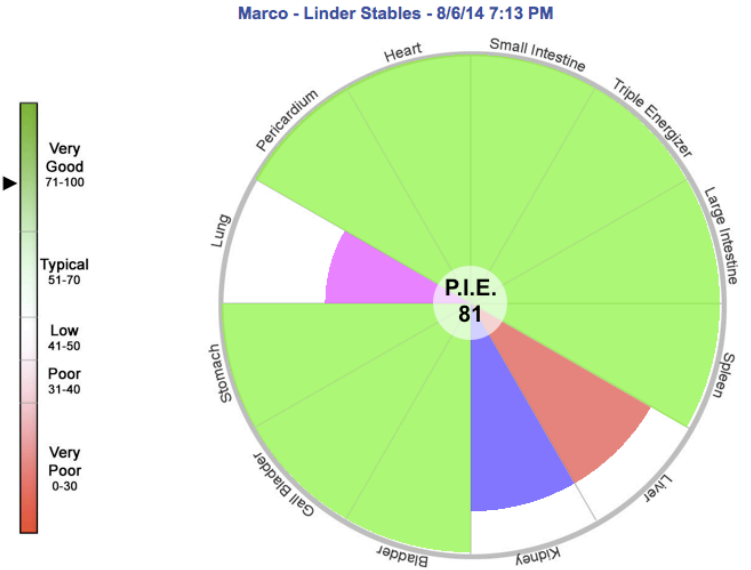
You may want to think of stability as the opposite of variability. A graph with high variability scores low for stability, and a graph with low variability scores high for stability.

The center of the display shows the **Right/Left** and **Fore/Hind** balance superimposed on a horse figure. The right/left balance reflects the relative balance between readings on the right and left sides of the body, and the

Fore/Hind balance reflects the balance between the readings on the hands and the feet.

Interpretation of these ratios categories is provided in the "**Information**" display. See below.

The **P.I.E.** Graph stands for Personal Integrated Energetics graph. This graph provides a snapshot of the patient's overall meridian balance in a simplified, user-friendly format.



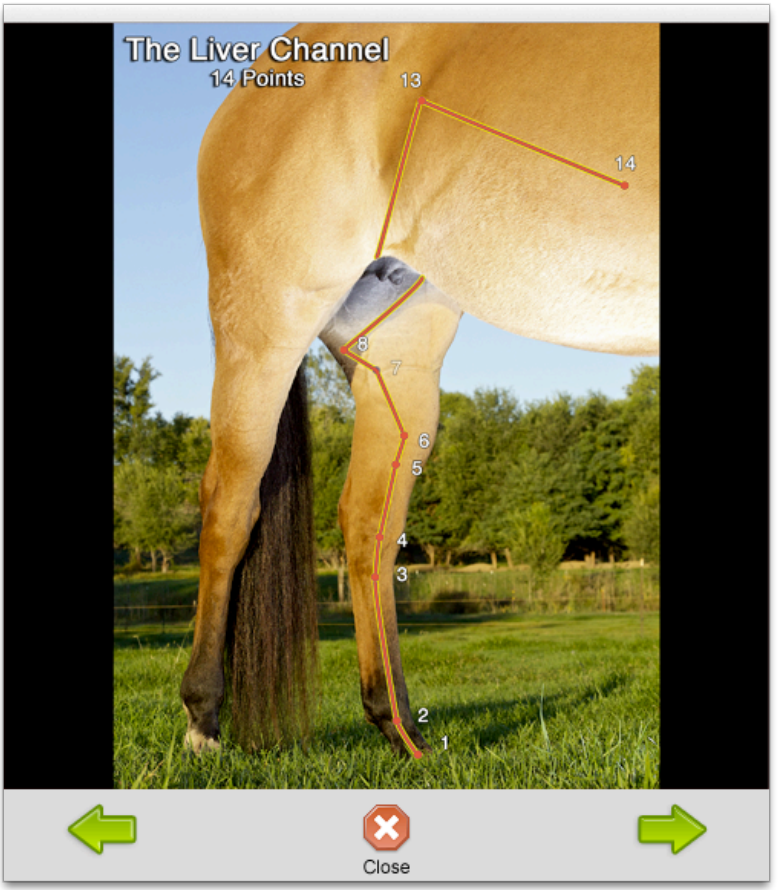
Within this graph, each meridian is represented by a color-coded slice of the pie. Energetically healthy meridians extend fully to the edge of the circle and are colored green. Energetically unhealthy meridians do not extend fully to the edge of the circle. The smaller the shaded section of the pie slice, the lower the health level of the meridian. Additionally, meridians are color-coded according to imbalance, with red for excess, blue for deficiency and purple for split.

The **P.I.E. Score** stands for Personal Integrated Energetic Score, and this single number comprises a complete picture of your patient's meridian balance. The higher the score, the better the balance. Statistical analysis methods are used to include all facets of meridian health in the score calculation. The purpose of the score is to provide a fast, easy method of graph comparison for owners, trainiers, and others who may not understand graph analysis, but will understand a single-number score.

Remember, the P.I.E. scale is 0-100 and the scores may be anywhere within that range. The scale on the left gives an idea of the typical degree of imbalance for any score.

The **Information** display gives written information about meridian functions, observed imbalances, potential symptom associations, and energetic balance categories for this exam. It is written on the level of the average patient to facilitate understanding without confusing jargon.

Channel Illustration:
While viewing any bar-style graph, clicking on any of the bars opens the channel illustration window as follows:



This window shows the meridian channel of the bar that was clicked in the graph. The arrows will move forward and backward from meridian to meridian.

The purpose of this illustration is to demonstrate the anatomical area where the meridian channel runs. This is useful for explaining symptoms and locations.

The channel in the picture will be color coded according to the graph bar colors to demonstrate the energetic condition of the channel, whether it is deficient, excessive, split or normal.

Icon Functions:

Begin Treatment

The "Begin Treatment" icon displays the acupoints of the selected treatment in order. This function is designed to serve as a treatment guide to the practitioner during treatment.

The arrow keys advance from point to point during treatment display.

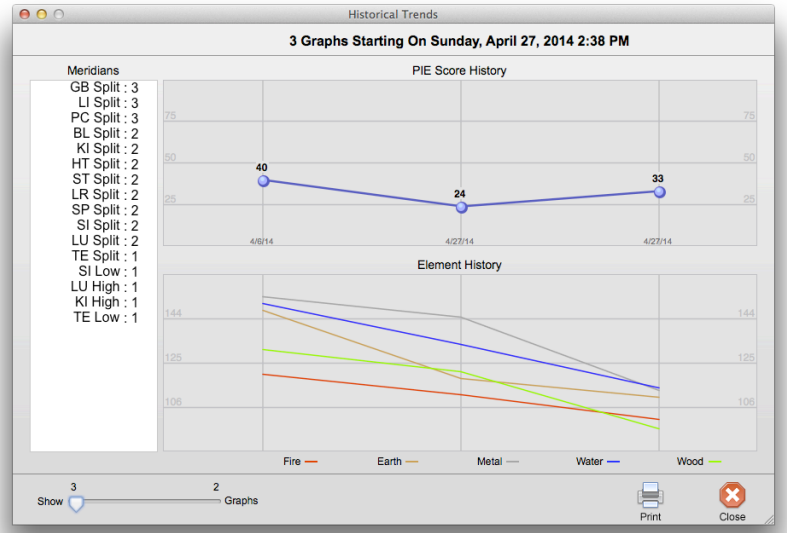
Previous Next

These icons show the previous and next graphs in the database for this patient. In the event that there is not a previous or next graph for this patient, one or both of these icons is grayed out.

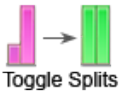
Using the previous and next icons is a convenient and quick way to view previous and current treatments for the patient and to track patient progress.

History

The "History" icon displays the "Historical Trends" window as follows:



The Historical Trends window displays the trends in PIE score, element history, and most common imbalances for the selected patient. To choose how many exams are included in the history, use the slider at the bottom left of the screen.



The "Toggle Splits" icon removes split meridians from a graph. Because hair can sometimes interfere with good measurement technique, you can choose to ignore splits by setting both sides of the meridian to read at the highest reading of the two sides.

This simplifies treatment plan selection, particularly when there are excessive splits.

The "Compare" icon takes you to the "Patients" window with the list of exams displayed for that patient. In this window, you can select specific

graphs for comparison. Select as many graphs as you care to from the patient's history for comparison or printing.

It is best to wait at least 24 hours after treatment before re-examining your patient for comparison purposes. Re-examination directly after treatment will not produce a valid result because Chi energy will still be in flux from the treatment.

Normalize

The Graph Normalization feature removes the effect of the outlying values on the mean of the graph. If meridians are excessively high or low, and therefore artificially changing the mean, normalization will correct the mean and the categories of the other meridians.

By clicking the Normalize icon, you will eliminate the effect of the excessively high or low meridians on the mean, and the meridians will be automatically re-categorized into their correct categories. The treatment protocol will likewise be adjusted. Use the normalize feature when there are excessively high or low meridians in the graph.

Note that normalization does NOT remove the outliers (excessively high or excessively low meridians) from the treatment protocol. It only removes them from the calculation to prevent artificially skewing the results. The outlying meridians are still treated and corrected.

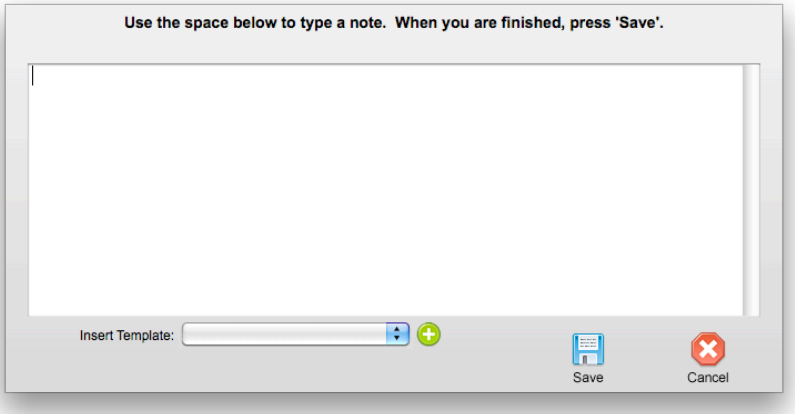
Edit Graph

The "Edit Graph" icon allows changes to the recorded values after the graph has been displayed. The changes can be made by manually entering new values, or by taking readings with the probe. Click in the box for the reading you wish to change, and type a new number or use the probe to take a new reading. NOTE: to preserve the integrity of your patient records, AcuGraph only allows you to manually edit graph values up to 8 hours after the exam.

New Note

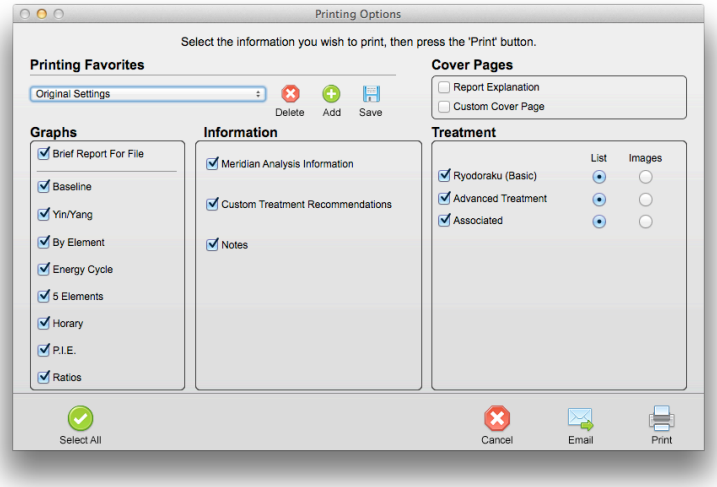
The "New Note" icon opens a window where the user may record notes relevant to the patient's case. This is a useful place to record symptoms, progress, treatment method, etc. The first part of each note recorded will

appear next to its associated graph in the records list. Notes may be recorded in any length and contain any text you choose. You may also paste text into the notes window from another application.



The "Insert Template" pull-down menu inserts a pre-formatted template in your note. This is useful if you have a typical notes template you usually use, such as the S. O. A. P. note format. You can add new custom templates to this menu in the "Notes" window of the "Preferences" section.

The "Print/Email" icon opens the "Printing Options" window, where custom reports can be defined and printed.



The main part of the Printing Options window is divided into three sections: The **"Graphs"** section on the left controls which graphs will be printed in the report. The **"Information"** section in the center controls what text information will be included. The **"Treatment"** section on the right selects what treatment information will be included in the report.

The **"Brief Report for File"** item provides a one-page summary report including the Baseline graph and any treatment recommendations selected under the "Treatment" section. This report is useful as a quick reference and for paper files because it is brief and contains only the essential information.

Under **Treatments**, you may choose which treatments to print, and whether to print only lists of recommended points, or full reference illustrations and information.

The other selectable items will be printed in the full report. The report will only contain those items selected in the Printing Options window, allowing you to customize your reports to your exact desires.

The **Report Language** selector is used to determine which language will be used in your printed reports. This option is only available if you have purchased additional language packs for your AcuGraph system.

The **Printing Favorites** section allows you to save printing preferences for specific types of reports. For example, if you print a specific type of report on a first visit, you can define the report and save it as a preset.

To do so, first click on the + sign to add a new report. Name it and save it. Then select the contents of the report in the printing window and when you are satisfied, click save. The presets you selected will be saved to the currently shown Favorite.

The **Cover Pages** section lets you choose the cover page or pages for the printed report. The following two options are available:

Report Explanation: This cover includes simple explanations of the purpose and meaning of the AcuGraph report.

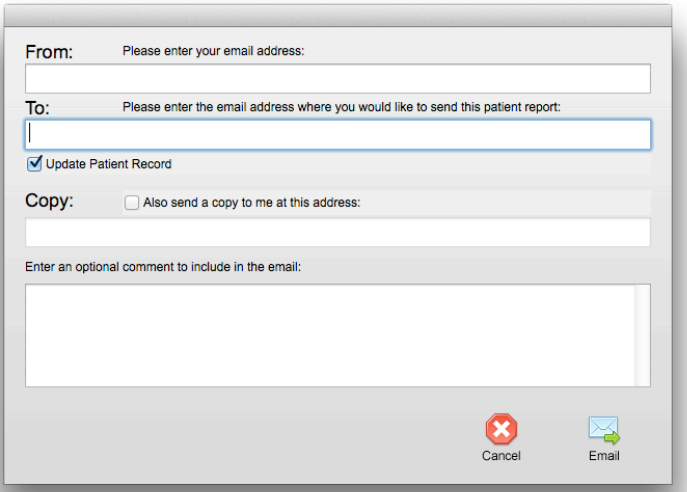
Custom Cover Page: This option attaches your own custom cover page to your report. You can make your cover page as simple or complex as you wish, and it can be more than one page if desired.

To create a custom cover page, simply create a document in any word processing or page layout program you choose. You may include pictures, text, formatting and design elements. When you have finished creating your cover page, save it as a PDF. For more information on how to create a PDF, please see PDF printing, below.

When you have saved your cover page as a PDF, visit the "Printing" window of the "Preferences" section of AcuGraph. There, you can select your PDF document to import it into AcuGraph as your custom cover page.

For more information on importing a cover page, please see the Preferences section of this manual.

AcuGraph includes the ability to email a patient report. To use this feature, first select the options you wish to include in the report from the Printing Options window. Then click the "Email" icon. The following window will appear:

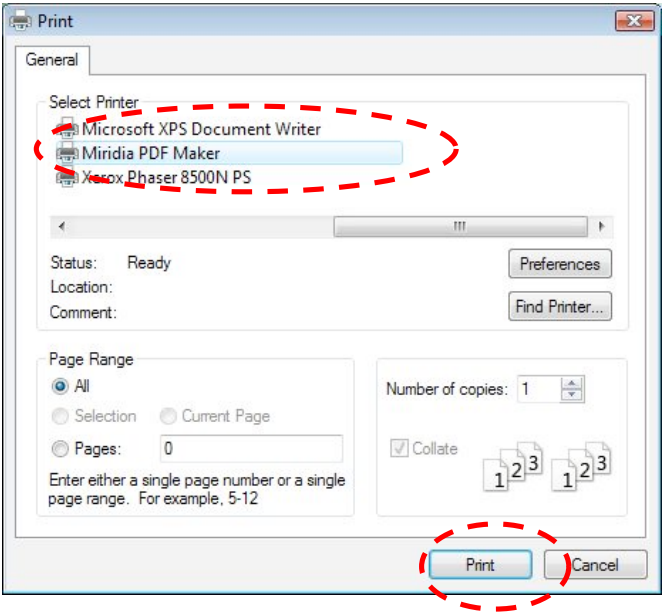

From:
Please enter your email address:
To:
Please enter the email address where you would like to send this patient report:
Update Patient Record
Copy:
Also send a copy to me at this address:
Enter an optional comment to include in the email:
Cancel
Email

If the Patient's email address is already in your patient database, the address will appear in the box. If you don't already have the patient's email address, you can type it into the box. You will then have the option to save the email address you typed as part of the patient's record for future use. Once you have selected or entered the email address, click the "Email" icon to send the patient's report.

PDF Printing

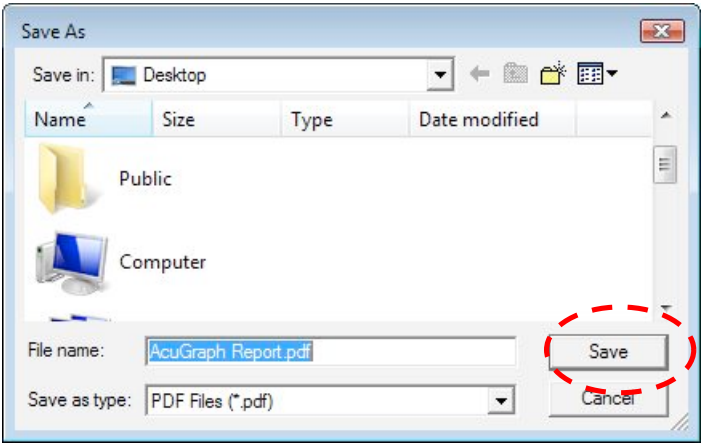
AcuGraph includes the ability to produce reports in the PDF format (Portable Document Format.) These reports can then be attached to electronic medical records, appended to other PDF documents, or electronically stored for later retrieval. PDF printing procedures are as follows.

PDF Printing For Windows:
After you have selected report options and pressed "Print" in the AcuGraph print window, the operating system will show the following print window (or one similar):

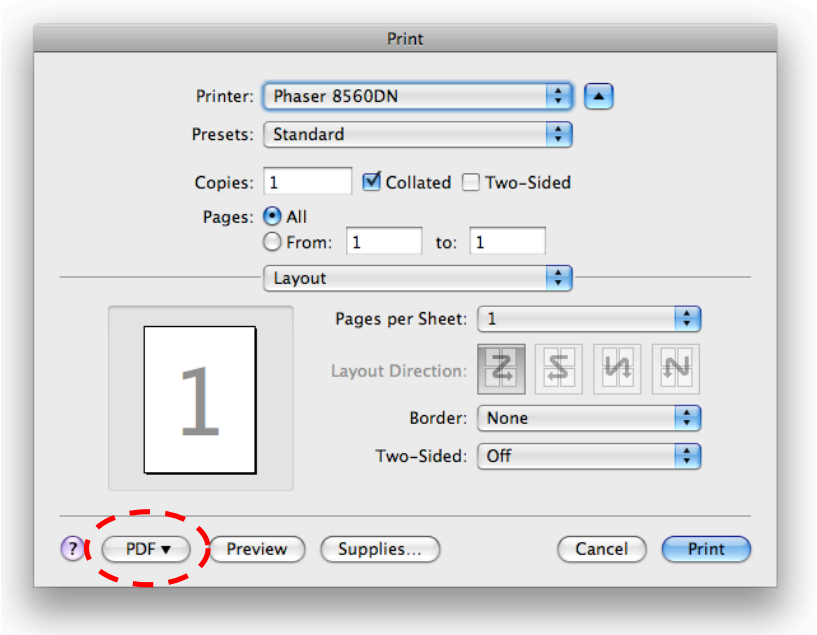


In the "Select Printer" area, choose "Miridia PDF Maker" as your printer. Then press "Print."

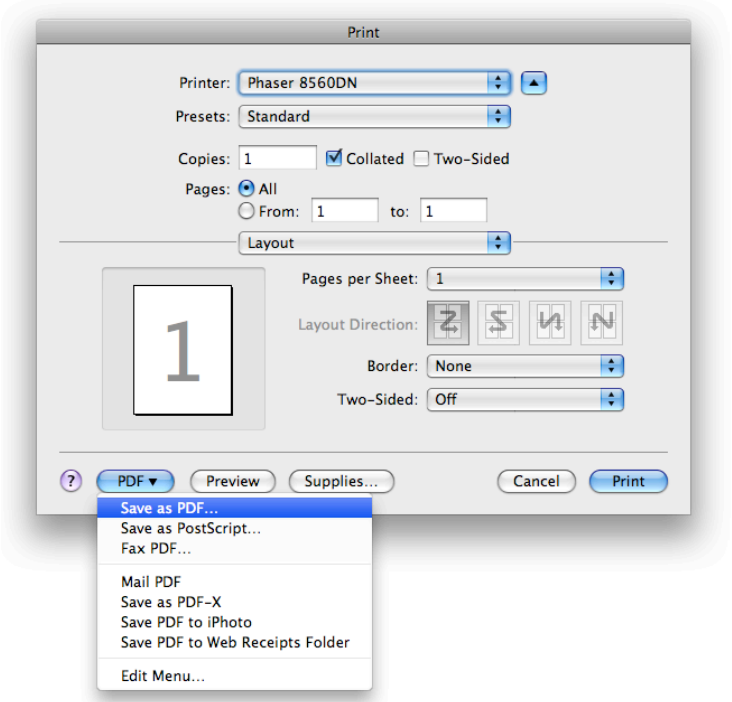
Next, you will be asked to name your report and choose the location to save it. When you have done so, press "Save" and your PDF report will be created and saved.

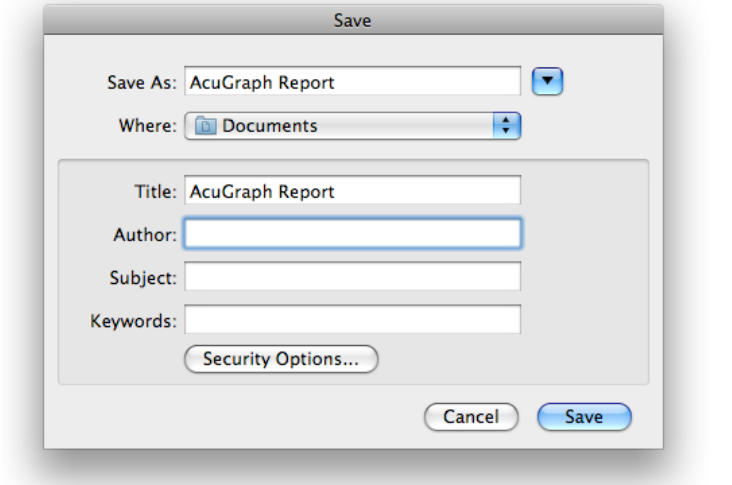


PDF Printing For Macintosh:
After you have selected report options and pressed "Print" in the AcuGraph print window, the operating system will show the following screen:



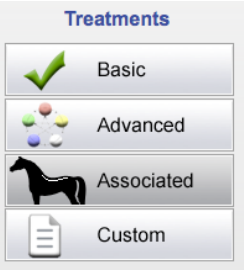
From the PDF drop-down menu at the bottom left of the screen, select "Save as PDF."





Then name your report, choose the location to save it, and press "Save." Your PDF will be created and saved.

Treatments



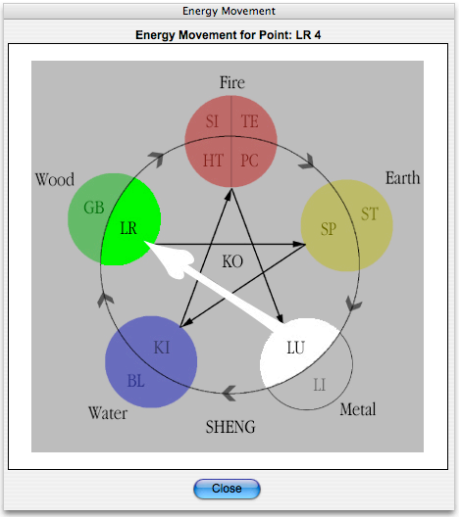
The left side of the **Graphs** screen contains the **Treatment** section. These 4 buttons control which treatment recommendations will be displayed below in the treatment recommendations section of the window, based on the information in the displayed graph.

You may choose which treatment recommendation to view by clicking on the appropriate button. **All treatment recommendations are presented as possibilities only, and the ultimate decision of how to treat the patient rests with you, the licensed practitioner. Though several treatment options are presented, it is not appropriate or advisable to attempt to perform all the possible treatments on the same patient the same day. Rather, you should pick the one or two protocols you prefer and perform them. You may also use treatments of your own choosing outside the scope of this software.**

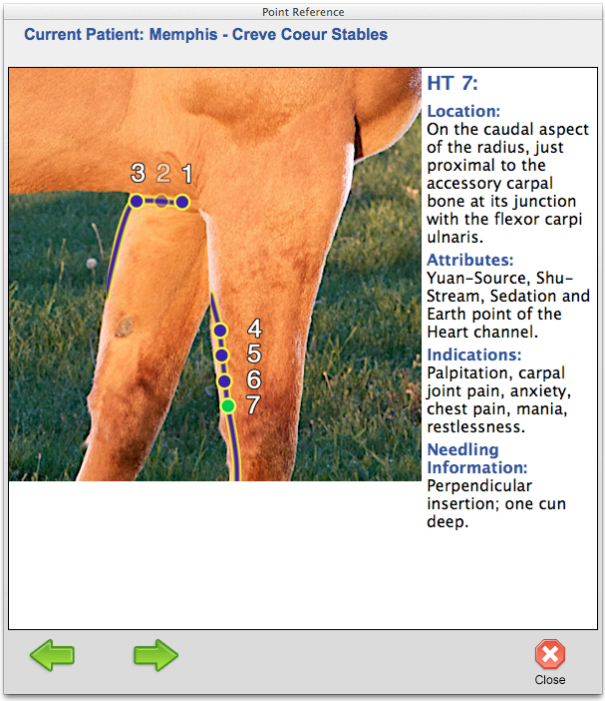
Important Notes about Treatments:
MIRIDIA TECHNOLOGY INC. IS NOT LIABLE FOR RESULTS OF TREATMENT, AND THE TREATMENT RECOMMENDATIONS ARE TO BE CONSIDERED WITHIN THE CONTEXT OF THE PATIENT'S SYMPTOMS, DIAGNOSIS, TRAINING, FITNESS LEVEL, AND OVERALL STATE OF HEALTH. The AcuGraph software does not and cannot consider each patient's individual situation beyond the electronic examination, and it does not take the place of the practitioner's experience, training, clinical judgment and skill. AcuGraph is for experimental and investigational use only by appropriately licensed practitioners.

MIRIDIA TECHNOLOGY INC. MAKES NO SPECIFIC RECOMMENDATION FOR METHOD OF TREATMENT OF ACUPUNCTURE POINTS. Common treatment methods include needle, laser, pressure, and electrical stimulation. The method used is at the sole discretion of the practitioner, within the scope of the licensed practice.

When a treatment protocol is selected, the recommended points will be displayed in the columns below the treatment selection buttons. Next to each recommended acupoint, in the "Reason" column, is displayed the reason that particular point was selected. Some points will also display a star in the right column. Clicking on the star will open a window displaying the energetic effect of the selected point:



Clicking on the point name will open a reference window displaying the location, attributes and function of that particular point:


Point Reference
Current Patient: Memphis - Creve Coeur Stables
3 2 1
4
5
6
7
HT 7:
Location:
On the caudal aspect of the radius, just proximal to the accessory carpal bone at its junction with the flexor carpi ulnaris.
Attributes:
Yuan-Source, Shu-Stream, Sedation and Earth point of the Heart channel.
Indications:
Palpitation, carpal joint pain, anxiety, chest pain, mania, restlessness.
Needling Information:
Perpendicular insertion; one cun deep.
Close

The treatment types work in the following ways:

Basic treatment model: This model uses Luo points to treat split meridians, Sedation points to treat excessive meridians, and Tonification points to treat deficient meridians. This method does not pay any attention to the 5-elements model or use group points.

In the **Advanced** treatment model, the points are selected to most efficiently move energy from excess to deficiency. The Ko and Sheng cycles are considered, as are Luo points and group points.

The Advanced treatment model considers all possible combinations of points and makes a recommendation based on use of the fewest points possible. It also considers musculo-tendino points for global and specific effects.

Associated treatment model: This model uses the Associated (Back-Shu) points specific to the meridian imbalances noted.

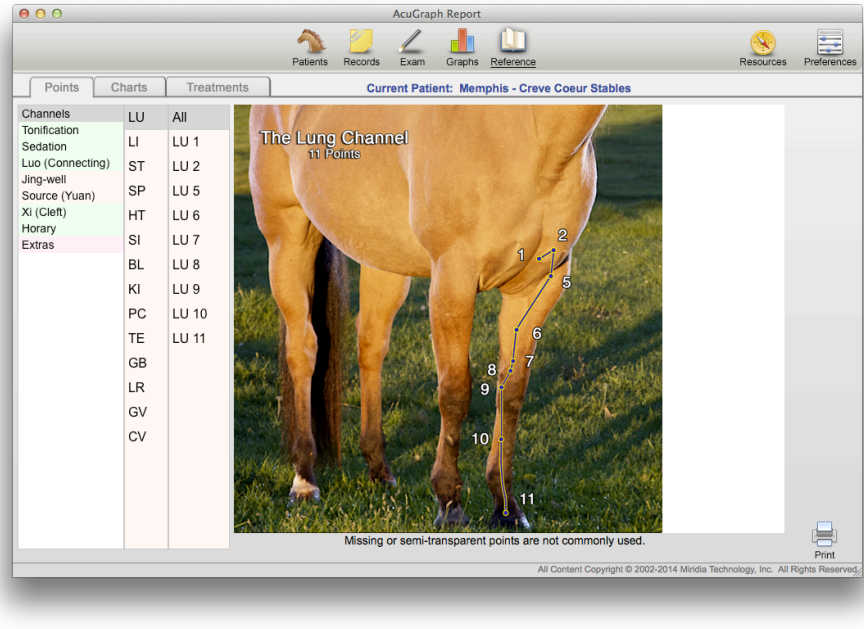
Custom treatments: This model displays user-defined custom treatments tailored to the exam results. Custom treatments may be defined in the **Reference** section.

Graph Effect Highlighting:
While viewing the PIE graph or any bar-style graph, if you roll your mouse pointer over any of the treatment points listed under the basic, advanced, or associated protocols, the portions of the graph that will be affected by that point will be highlighted in a different color.

This feature is used to display the treatment effect of any point on the graph results, thus giving a clear picture of the treatment rationale.

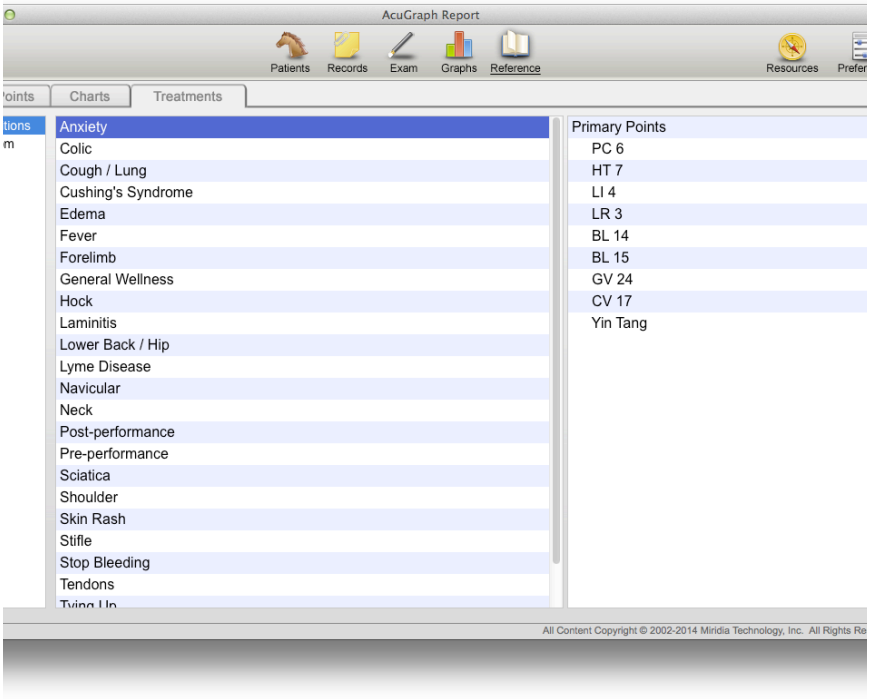
Reference

The reference section provides access to meridian channel illustrations, point locations, information, and charts. To use the reference, click on any category in the left column. Then choose the specific meridian from the next column and the indicated point or meridian illustration will be displayed. You can click on any category or meridian at any time to change the information you are viewing. You can click on any point in any channel to immediately display an illustration of that point.



In the "**Charts**" section, several types of reference charts are available, including graphical charts and textual charts. When viewing any textual chart, place the pointer over any acupoint to view a popup window with complete information about the point.

Under "Conditions" in the "**Treatments**" section, you can look up treatment point prescriptions by condition treated. Clicking on any point name opens an illustration and information about that point.

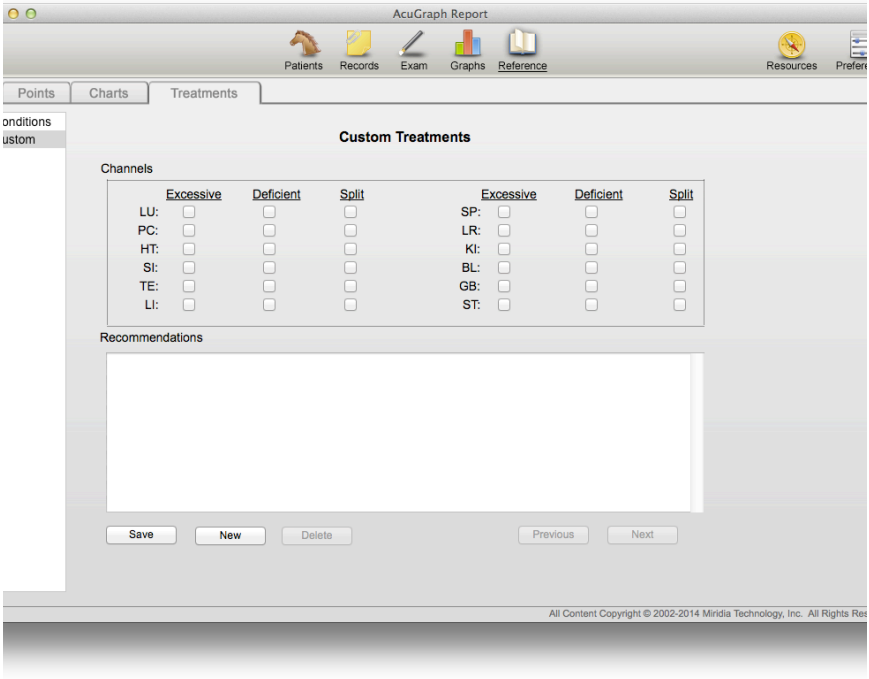


Under **"Custom"** in the treatments section, user-defined custom treatments may be viewed or modified.

In defining custom treatments, the practitioner may select which energetic imbalances will trigger specific recommendations.

For each meridian, you may choose excessive, deficient, split, or any combination of these. Any of the selected condition(s) in that meridian will satisfy the requirement to trigger the recommendation.

If conditions are stipulated for more than one meridian, each meridian stipulated must meet at least one of its stipulated conditions to trigger the custom recommendation.



For example, if you check the boxes for Triple Energizer (TE) deficient and Pericardium (PC) split, BOTH of these conditions must exist for the recommendation to be triggered. Other conditions may exist in other meridians as well, but they are not pertinent to this recommendation.

As an added example, if you check boxes for Triple Energizer (TE) deficient and Triple Energizer (TE) excessive, and Pericardium (PC) split, then the recommendation will be triggered if the Triple Energizer is deficient and the Pericardium is split, OR if the Triple Energizer (TE) is excessive and the Pericardium is split.

Any recommendation may be typed in the recommendations space. **Some categories of custom recommendations may include herbs, additional acupuncture points, bodywork, exercises, etc.**

Please note that ACUGRAPH ONLY SERVES AS A DATABASE TO STORE THE PRACTITIONER'S RECOMMENDATIONS. MIRIDIA TECHNOLOGY INC. IS NOT RESPONSIBLE FOR THE CUSTOM RECOMMENDATIONS STORED, OR THE RESULTS OF THEIR USE.

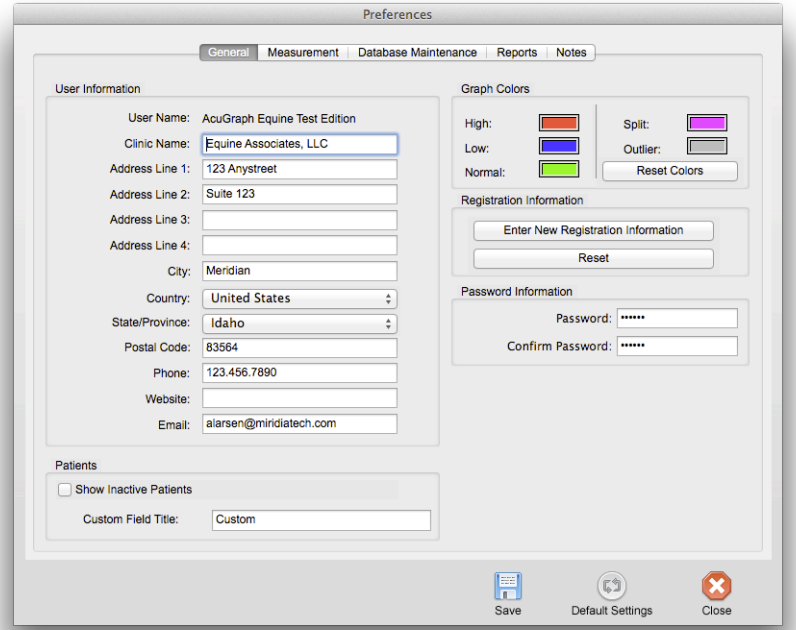
Recommendations that are triggered will be displayed in the Graphs window treatment list and printed in the report, if selected.

Preferences

The Preferences section of AcuGraph is accessed by clicking on the "Preferences" icon in the upper right corner of the main AcuGraph window. This section of the program allows you to control a wide array of features within the program. Though basic, default preferences are configured when the software is installed we recommend you take time to familiarize yourself with all the preference options so you can take full advantage of the best features of AcuGraph Equine Edition.

General Preferences

Under the **General** preferences tab you have a variety of options to customize your software.



Under "User Information" you can customize information about your practice. The information entered under "User Information" will be printed on the reports generated by AcuGraph.

Please note that the "User Name" is set at the time of installation and is correlated with your software license for AcuGraph. This information CANNOT be changed without obtaining a new license code. If you need a new license code, please contact your AcuGraph Distributor.

The "Custom Field Title" section lets you name the custom field header shown in the "Patients" section of AcuGraph. This is useful if you are collecting any sort of custom information about your patients and you want to designate the name of the field.

In the **"Graph Colors"** section of the Preferences window, you can customize the colors used in your graphs. To do so, click on the color square you wish to change, and select a new color from the selections offered. Be sure to save your selection(s). The "Reset Colors" button restores all colors to their factory defaults.

The "Enter New Registration Information" button is ONLY used for entering a new license code, as described above. Please do not attempt to change your registration information unless instructed to by Miridia Technology Inc. You risk damaging your software and rendering it inoperable.

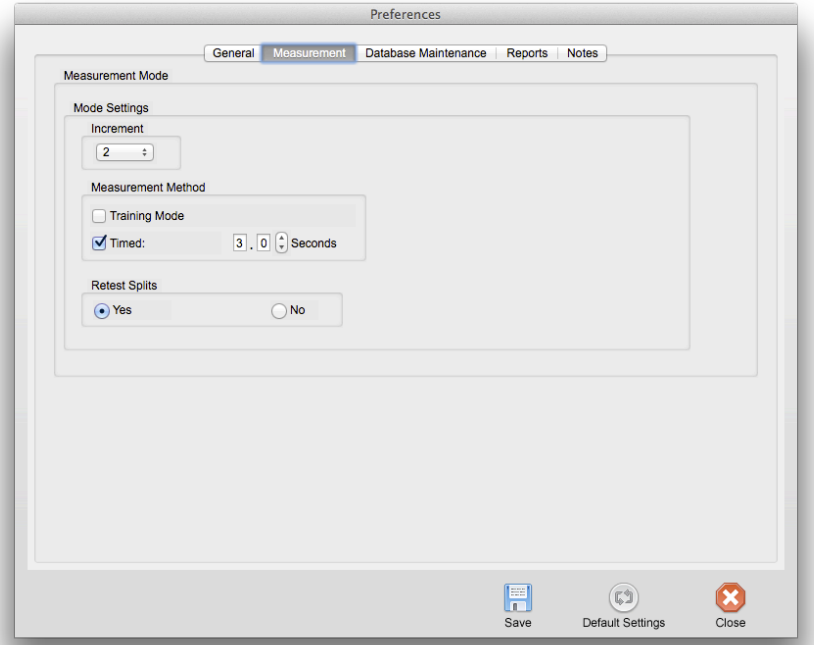
Passwords

To protect private patient data, AcuGraph requires password authentication to enter the program. The default **password** for AcuGraph is "**energy**" (all lower case, without quote marks.) We recommend you set your own password in the Preferences section, and follow proper security procedures by keeping the screen from the public or patient view while patient names are displayed (as in the "**Patients**" section.)

If you forget your password, contact Miridia technical support.

Measurement Preferences

Under the **Measurement** tab in Preferences, you can control how AcuGraph behaves during examinations.



The "**Mode Settings**" area of the window lets you choose your measurement scale and increment, order, method, and calculation method.

The "**Measurement Method**" allows you to choose the way in which AcuGraph takes measurements.

Training Mode: If you are unsure of proper point location, or unable to duplicate consistent readings on the same patient, try using the Training Mode of measurement. This feature is activated in the "Measurement" window of the "Preferences" section.

When the Training Mode is active, each measurement consists of the following two steps:

1. **Locate the point precisely:** Contact the patient's skin with the probe in the vicinity of the acupoint to be measured. Slowly slide the probe across the skin until a sharp increase in the reading is noted. This sharp increase indicates you have located the point exactly; this is where to take the reading. If you move off the point, simply move back on until you have located the point of the highest reading. Now remove the probe from the skin.

2. **Measure the point:** Place the probe at exactly the point of highest reading you located in step one. The probe will read for two seconds to allow the reading to stabilize, then will capture the reading into the software. Now move on to the next point and repeat steps one and two.

Careful point location in this manner will produce very consistent and reliable graphs. Always take the reading at the point of highest conductance.

Once you have practiced enough to feel confident in your point locations, you may deactivate the Training Mode.

"**Timed**" measurements can be set so that each point is measured for exactly the same length of time. With the Timed measurement option active, you need only to rest the probe tip on the point and hold it there. The software will automatically take the measurement when the preset length of time has passed.

Database Maintenance

Under the **Database Maintenance** tab in Preferences, you can control how and when AcuGraph creates a backup of your database file.

IMPORTANT NOTICE

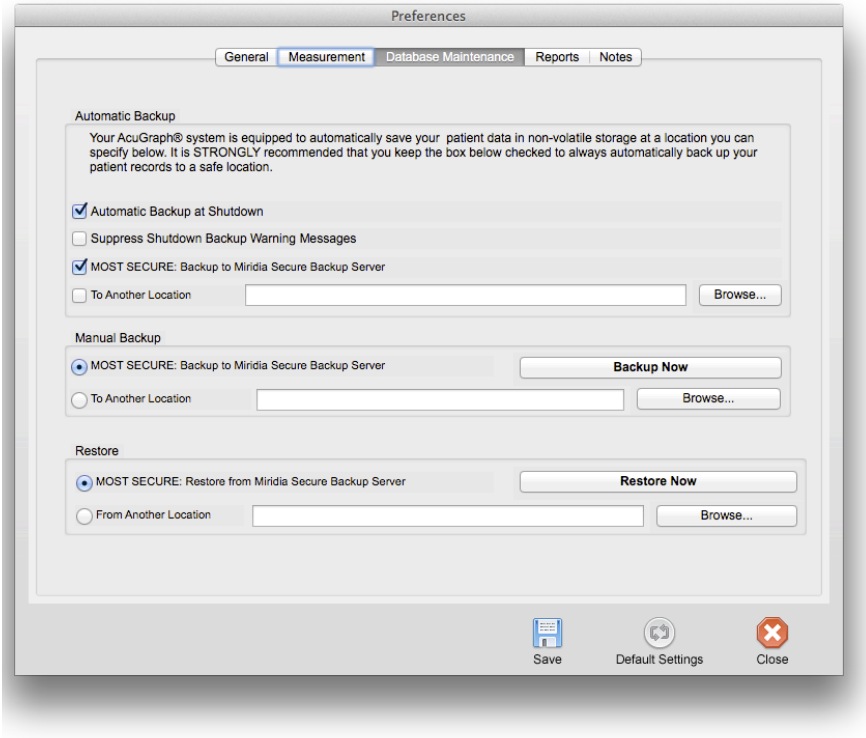
It is not a question of IF your hard drive will fail; it is a question of WHEN. If you do not back up your data, YOU ARE PLANNING TO LOSE IT!

It is very important that your database is backed up frequently, preferably daily. We recommend that you check the box marked, "Automatic Backup at Shutdown" and leave it checked.

And ALWAYS back up your data before installing or uninstalling programs, upgrading or reinstalling AcuGraph, or changing your computer hardware in any way. Your patient records are too valuable to risk.

Also, be advised that if you uninstall AcuGraph without backing up, YOU WILL LOSE YOUR PATIENT DATA. Please back up your data before uninstalling or reinstalling AcuGraph.

To configure your automatic backup, please check the box marked, "**Automatic Backup at Shutdown**." Then, select the location for your backup. The best option is to back up to the Miridia Secure Server through the AcuGraph Secure Backup service. NOTE: You may check more than one box to simultaneously back up to more than one location.


Preferences
General
Measurement
Database Maintenance
Reports
Notes
Automatic Backup
Your AcuGraph® system is equipped to automatically save your patient data in non-volatile storage at a location you can specify below. It is STRONGLY recommended that you keep the box below checked to always automatically back up your patient records to a safe location.
Automatic Backup at Shutdown
Suppress Shutdown Backup Warning Messages
MOST SECURE: Backup to Miridia Secure Backup Server
To Another Location
Browse...
Manual Backup
MOST SECURE: Backup to Miridia Secure Backup Server
Backup Now
To Another Location
Browse...
Restore
MOST SECURE: Restore from Miridia Secure Backup Server
Restore Now
From Another Location
Browse...
Save
Default Settings
Close

AcuGraph Secure Backup

AcuGraph Secure Backup is a low-cost program that PROTECTS your patient data with secure, automatic off-site backup to our protected servers. This means that your patient records have ultimate protection from computer crashes, viruses, loss, theft, and disaster. Because your data is automatically stored on our secure servers, you have the rock-solid assurance that no matter what happens to your computer, or even your clinic, your data is safe and accessible.

To further enhance your peace of mind, your data is encrypted before being sent to our servers, so it cannot be intercepted on the internet. Once on our servers, your data is inspected daily by our automated systems to ensure that your backups are not corrupted. If there is ever any problem detected with your data integrity, we inform you immediately and help you correct the problem.

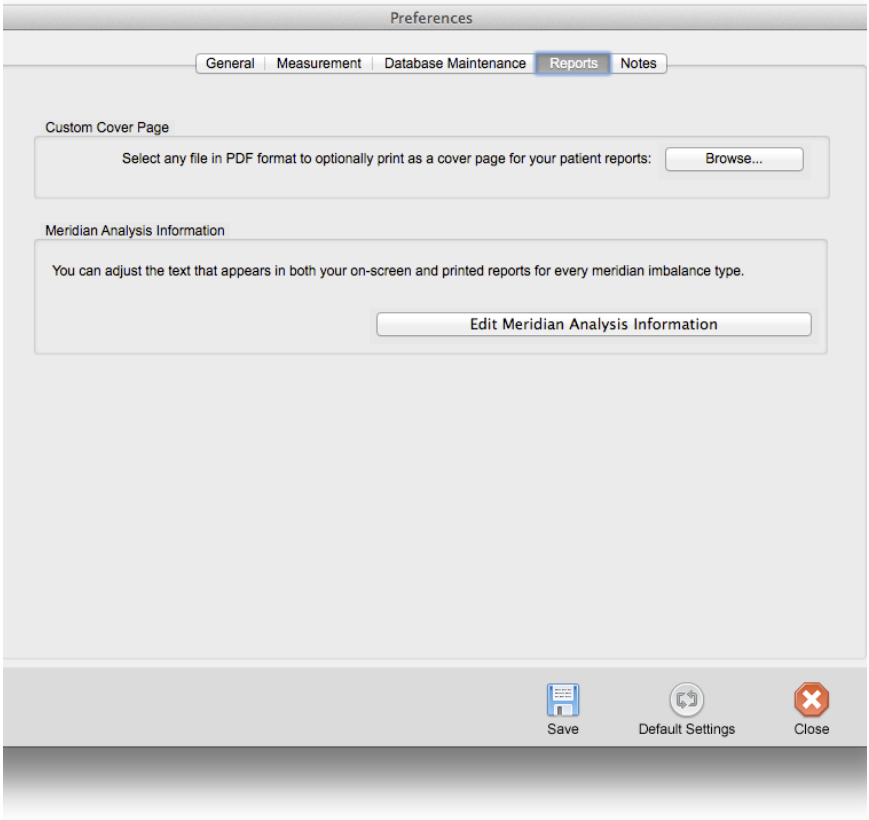
Your AcuGraph installation includes a free, 30-day trial of AcuGraph Secure Backup. This trial is activated the first time you back up to our secure server. This backup feature requires that your computer is connected to the internet when you shut down AcuGraph. If your computer is not connected to the internet, the program will inform you that the backup was not successful.

If you do not have access to the internet, or choose not to use AcuGraph Secure Backup, we recommend you back up to a portable drive such as a USB flash drive or similar, so that the backup can be stored offsite in a secure location. If this is not possible, back up the data to another computer on the network or another drive to secure your patient data against hard drive failure. Backing up to the same hard drive where your patient data is stored only invites disaster in the case of a hard drive failure.

You may also use the controls in this window to manually back up or restore your database at will, and to automatically back up to another location.

Warning: If you restore a database from a backup, your ENTIRE PATIENT DATABASE WILL BE REPLACED with the database in the backup. This cannot be undone. Only use this feature if you are sure it is the correct action to take.

Reports



In the **"Reports"** section of Preferences, you can customize your printed reports in two ways:

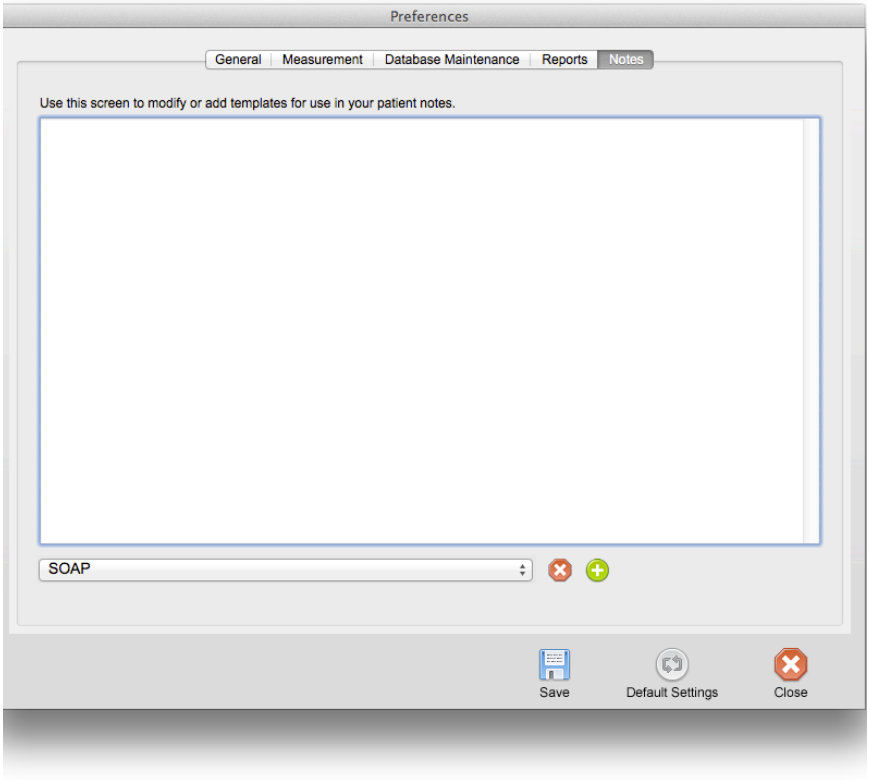
Custom Cover Page: You can customize any AcuGraph report with your own custom cover page. You can include graphics, pictures, text, or any other elements you choose to include.

To create a custom cover page, simply create a document in any word processing or page layout program you choose. When you have finished creating your cover page, save it as a PDF. For more information on how to create a PDF, please see "PDF Printing."

Once you have created and saved your PDF, click on the "Browse" button under "Custom Cover Page" and locate your saved PDF file. When you select your file, it will be imported into AcuGraph and become available for attachment to printed reports when selected in the Print window.

Meridian Analysis Information: You can edit the text that appears in your on-screen and printed meridian analysis information reports in this section.

Notes



In the **"Notes"** section of Preferences, you can create custom templates for your notes. This feature is useful if you have specific types of notes you keep on a regular basis. For example, you may have one note template you use on the first visit, another for follow-up visits, etc.

The SOAP note format is pre-programmed in your AcuGraph software. To add additional formats, click on the green "+" sign and type the name of the new note template you wish to create.

Next, type the parts of the note format you wish to save as part of your template. When you have customized it to your liking, click on the "Save" icon and your new template is saved.

If you wish to modify any note template, you may do so by opening it in this window, making the modifications and clicking on "Save." You may create an unlimited number of note templates.

Chapter 3: Troubleshooting

Before You Call Tech Support

AcuGraph has few requirements for successful operation, and most problems can be solved by checking some simple items. If you are having a problem, please check on the following items before calling technical support. This will help us provide rapid service in the event of more difficult problems and eliminate excess time spent on problems that can be quickly and easily solved by users.

First, please make sure you have read the applicable sections of this manual. The instructions in this manual have been carefully produced and exhaustively tested for accuracy. More than half the calls to technical support are simply because the AcuGraph user ignored the instructions in this manual. Please READ and FOLLOW the manual instructions.

The Support section of the AcuGraph Equine Edition website (www.AcuHorse.com/support) contains more thorough troubleshooting information, demonstration videos, answers to frequent questions, etc.

Limited Warranty

The sole warranty regarding the Software and related materials is that the original disk or flash drive is free from physical defects in material and workmanship, assuming proper use, for a period of one year from date of purchase. If such defect occurs during this period, you may return your faulty media to Miridia Technology Inc., (Miridia) along with a dated proof of purchase; Miridia will replace it free of charge. After one year, a replacement disc or flash drive will require a nominal fee.

The sole warranty regarding the AcuGraph probe and probe controller is that they are free from physical defects in material and workmanship, assuming proper use, for a period of one year from date of purchase. If such defect occurs during this period, you may return your faulty probe to Miridia Technology Inc., (Miridia) along with a dated proof of purchase; Miridia will replace it free of charge. After one year, a replacement probe will require a fee.

Your sole and exclusive remedy for any breach of representation or warranty is that Miridia, at its option, either (a) will refund your payment for the software and probe upon your return of the software and probe, with a copy of your receipt, or (b) will replace it on an exchange basis without charge (except as provided above).

EXCEPT FOR THE EXPRESS WARRANTY SET FORTH ABOVE, THIS SOFTWARE AND HARDWARE ARE PROVIDED "AS-IS," AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MIRIDIA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, BY STATUTE OR OTHERWISE, REGARDING THE SOFTWARE, DISK, AND RELATED MATERIALS, PROBE HARDWARE, PROBE CONTROLLER, CABLES, CONNECTORS, OR PROCESSOR, INCLUDING THEIR FITNESS FOR A PARTICULAR PURPOSE, THEIR QUALITY, THEIR MERCHANTABILITY, OR THEIR NONINFRINGEMENT. THE LIABILITY OF LICENSOR UNDER THE WARRANTY SET FORTH ABOVE SHALL BE LIMITED TO THE AMOUNT PAID BY THE CUSTOMER FOR THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU. IN THAT EVENT, ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO 90 DAYS FROM THE DATE OF PURCHASE OF THE SOFTWARE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

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TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MIRIDIA AND ITS SUPPLIERS WILL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF BUSINESS, LOSS OF PROFITS, OR THE LIKE), WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR OTHERWISE, EVEN IF MIRIDIA OR ITS REPRESENTATIVES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND EVEN IF A REMEDY SET FORTH HEREIN IS FOUND TO HAVE FAILED OF ITS ESSENTIAL PURPOSE. MIRIDIA'S TOTAL LIABILITY TO YOU FOR ACTUAL DAMAGES FOR ANY CAUSE WHATSOEVER WILL BE LIMITED TO THE AMOUNT PAID BY YOU FOR THIS PRODUCT. SOME STATES DO NOT ALLOW THE LIMITATION OF EXCLUSION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THE ACUGRAPH EQUINE EDITION SYSTEM IS FOR USE BY QUALIFIED PROFESSIONALS ONLY! ALWAYS OBSERVE PROPER SAFETY TECHNIQUE WHEN WORKING AROUND EQUINES.

FAILURE TO OBSERVE PROPER SAFETY PROCEDURES MAY RESULT IN SERIOUS INJURY OR DEATH. IF YOU OR YOUR PATIENT IS UNCOMFORTABLE WITH THE ACUGRAPH PROCEDURE, DISCONTINUE USE AT ONCE.

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PROTECT YOURSELF, YOUR PATIENT, AND YOUR EQUIPMENT WITH CARE! PAY PARTICULAR ATTENTION TO PLACEMENT OF EQUIPMENT, ROUTING OF CABLES, AND THE DEMEANOR OF YOUR PATIENT AT ALL TIMES. DO NOT PLACE YOURSELF IN A DANGEROUS SITUATION.

The limitations of damages set forth above are fundamental elements of the basis of the bargain between Miridia and you. Miridia would not be able to provide this product on an economic basis without such limitations.

You acknowledge that, in providing you with the Software and Hardware, Miridia has relied upon your agreement to be bound by the terms of this Agreement. You further acknowledge that you have read, understood, and agreed to be bound by the terms of this Agreement, and hereby reaffirm your acceptance of those terms. You further acknowledge that this Agreement, together with the stipulations contained in the software license, constitute the complete statement of the agreement between you and Miridia, and that the Agreement does not include any other prior or contemporaneous promises, representations, or descriptions regarding the Software or Hardware. This Agreement is not, however to limit any rights that Miridia may have under trade secret, copyright, patent, or other laws that may be available to it. The agents, employees, distributors, and dealers of Miridia are not authorized to make modifications to this Agreement, or to make any additional representations, commitments, or warranties binding on Miridia. Accordingly, additional statements such as dealer or other

advertising or presentations, whether oral or written, do not constitute representations or warranties by Miridia and should not be relied upon. This Agreement may be modified only in writing. If any provision of this Agreement is invalid or unenforceable under applicable law, it is to that extent, deemed omitted and the remaining provisions will continue in full force and effect. The validity and performance of this Agreement shall be governed by Idaho State law (without reference to choice of law principles), except as to copyright and trademark matters, which are covered by United States Federal laws. This Agreement shall be construed as to its fair meaning and not strictly for or against either party.

Return Policy

All new AcuGraph systems are fully protected by a 30-day, money-back guarantee. You may return your AcuGraph system anytime within the first 30 days of ownership for a full refund of the purchase price paid.

If you need to return your system, please contact your distributor or Miridia Technology Inc. for instructions.

Note: Accessories purchased with your AcuGraph system may be subject to separate return policies. Shipping fees are not eligible for refund. Please visit www.AcuGraph.com/shop for details.